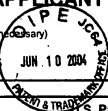


# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Page 1 of 15

JUN 10 2004



Application Number	10740262
Filing Date	December 18, 2003
First Named Inventor	Rosenflanz, Anatoly Z.
Art Unit	1755
Examiner Name	
Attorney Case Number	58716US002

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number (Kind Code if Known)			
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	A2	US- 906,339	12/08/1908	Tone	
	A3	US- 960,712	06/07/1910	Saunders	
	A4	US- 1,037,999	09/10/1912	Saunders	
	A5	US- 1,107,011	08/11/1914	Allen	
	A6	US- 1,149,064	08/03/1915	Kalmus	
	A7	US- 1,161,620	11/23/1915	Coulter	
	A8	US- 1,192,709	07/25/1916	Tone	
	A9	US- 1,240,490	09/18/1917	Saunders et al.	
	A10	US- 1,247,337	11/20/1917	Saunders et al.	
	A11	US- 1,257,356	02/26/1918	Hutchins	
	A12	US- 1,263,708	04/23/1918	Saunders et al.	
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	A17	US- 1,314,061	08/26/1919	Harrison	
	A18	US- 1,339,344	05/04/1920	Hutchins	
	A19	US- 1,402,714	01/03/1922	Brockbank	
	A20	US- 1,448,586	03/13/1923	Allen	
	A21	US- 1,910,444	05/23/1933	Nicholson	
	A22	US- 2,000,857	05/07/1935	Masin	
	A23	US- 2,424,645	07/29/1947	Baumann, Jr. et al.	
	A24	US- 2,618,567	11/18/1952	Comstock, III	
	A25	US- 2,958,593	11/01/1960	Hoover et al.	
	A26	US- 2,961,296	11/22/1960	Fenerty	
V	A27	US- 3,041,156	06/26/1962	Rowse et al.	
/MM	A28	US- 3,141,747	07/21/1964	Marshall	

\*Examiner: /Michael Marchesch/ (04/25/2007)

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO (modified)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Page 2 of 15

Application Number

10/740262

Filing Date

December 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Attorney Case Number

58716US002

**U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number		Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)				
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	A30	US-	3,181,939	05/04/1965	Marshall et al.	
	A31	US-	3,216,794	11/09/1965	Roschuk	
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/MM/	A56	US-	4,194,887	03/25/1980	Ueltz et al.	

\*Examiner: /Michael Marcheschi/ (04/25/2007)

Date Considered:

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Information Disclosure Statement — PTO-1449 (Modified)

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<b>Substitute for form 1449A/PTO (modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 3 of 15	<b>Application Number</b>	10/740262
	<b>Filing Date</b>	December 18, 2003
	<b>First Named inventor</b>	Rosenflanz, Anatoly Z.
	<b>Art Unit</b>	1755
	<b>Examiner Name</b>	
	<b>Attorney Case Number</b>	58716US002

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
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	A58	US- 4,261,706	04/14/1981	Blanding et al.	
	A59	US- 4,311,489	01/19/1982	Kressner	
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	A65	US- 4,457,767	07/03/1984	Poon et al.	
	A66	US- 4,489,022	12/18/1984	Robyn et al.	
	A67	US- 4,518,397	05/21/1985	Leitheiser et al.	
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	A71	US- 4,595,663	06/17/1986	Krohn et al.	
	A72	US- 4,623,364	11/18/1986	Cottringer et al.	
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<b>*Examiner:</b> /Michael Marcheschi/ (04/25/2007)	<b>Date Considered:</b>
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<b>Substitute for form 1449A/PTO (modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 4 of 15	<b>Application Number</b>	<b>10/740262</b>
	<b>Filing Date</b>	<b>December 18, 2003</b>
	<b>First Named Inventor</b>	<b>Rosenfanz, Anatoly Z.</b>
	<b>Art Unit</b>	<b>1755</b>
	<b>Examiner Name</b>	
	<b>Attorney Case Number</b>	<b>58716US002</b>

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number (Kind Code if Known)			
/MM/	A85	US- 4,800,685	01/31/1989	Haynes, Jr.	
	A86	US- 4,881,951	11/21/1989	Wood et al.	
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	A105	US- 5,139,978	08/18/1992	Wood	
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/MM/	A112	US- 5,203,886	04/20/1993	Sheldon et al.	

<b>*Examiner:</b> /Michael Marcheschi/ (04/25/2007)	<b>Date Considered:</b>
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<b>Substitute for form 1449A/PTO (modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 5 of 15	<b>Application Number</b>	10/740262
	<b>Filing Date</b>	December 18, 2003
	<b>First Named Inventor</b>	Rosenflanz, Anatoly Z.
	<b>Art Unit</b>	1755
	<b>Examiner Name</b>	
	<b>Attorney Case Number</b>	58716US002

U.S. Patent Documents					
Exam. Init.	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number (Kind Code if Known)			
/MM/	113	US- 5,227,104	07/13/1993	Bauer	
	114	US- 5,259,147	11/09/1993	Falz et al.	
	115	US- 5,273,566	12/18/1993	Balcar et al.	
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	123	US- 5,378,251	01/03/1995	Culler et al.	
	124	US- 5,395,407	03/07/1995	Cottringer et al.	
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	126	US- 5,417,726	05/23/1995	Stout et al.	
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V	139	US- 5,605,870	02/25/1997	Strom-Olsen et al.	
/MM/	140	US- 5,609,706	03/11/1997	Benedict et al.	

<b>*Examiner:</b> /Michael Marcheschi/ (04/25/2007)	<b>Date Considered:</b>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Information Disclosure Statement — PTO-1449 (Modified)

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Substitute for form 1449A/PTO (modified)		Application Number	10740262
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Filing Date	December 18, 2003
		First Named Inventor	Rosenflanz, Anatoly Z.
		Art Unit	1755
		Examiner Name	
		Attorney Case Number	58716US002
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U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number (Kind Code if Known)			
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	142	US- 5,651,925	07/29/1997	Ashley et al.	
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*Examiner: /Michael Marcheschi/ (04/25/2007)	Date Considered:
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Information Disclosure Statement — PTO-1449 (Modified)

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Substitute for form 1449A/PTO (modified)		Application Number	10740262
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Filing Date	December 18, 2003
		First Named Inventor	Rosenflanz, Anatoly Z.
		Art Unit	1755
		Examiner Name	
		Attorney Case Number	58716US002
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U.S. Patent Documents					
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		Doc. Number-(Kind Code if Known)			
/MM/	A169	US- 6,490,081 B1	12/03/2002	Feillens et al.	
	A170	US- 6,521,004	02/18/2003	Culler et al.	
	A171	US- 6,582,488	06/24/2003	Rosenflanz	
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	A173	US- 6,589,305	07/08/2003	Rosenflanz	
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	A190	US- 03-0126802-A1	07/10/2003	Rosenflanz	
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/MM/	A195	US- 04-0023078-A1	02/05/2004	Rosenflanz et al.	

*Examiner: /Michael Marcheschi/ (04/25/2007)	Date Considered:
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Substitute for form 1449A/PTO (modified)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Page 8 of 15

**Application Number**

10/740262

**Filing Date**

December 18, 2003

**First Named Inventor**

Rosenflanz, Anatoly Z.

**Art Unit**

1755

**Examiner Name****Attorney Case Number**

58716US002

**Foreign Patent Documents**

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
/MM/	B1	AT	333146 ✓	10/11/1976			X
	B2	DD	134 638 A ✓	03/14/1979			X
	B3	DE	20 34 011 ✓	07/09/1970			X
	B4	EP	0 200 487 ✓	11/05/1986			
	B5	EP	0 291 029 A1 ✓	11/17/1988			
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	B19	GB	1 121 875 ✓	07/31/1968			
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	B21	JP	200045128A ✓	02/15/2000			X Machine
	B22	JP	200045129A ✓	02/15/2000			X Machine
↓	B23	JP	06 040765A ✓	2/15/1994			X Machine
/MM/	B24	JP	59 22 7726A ✓	12/21/1984			X Machine

\*Examiner: /Michael Marcheschi/ (04/25/2007)

Date Considered:

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Information Disclosure Statement — PTO-1449 (Modified)

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Substitute for form 1449A/PTO (modified)		Application Number	10740262
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Filing Date	December 18, 2003
		First Named Inventor	Rosenflanz, Anatoly Z.
		Art Unit	1755
		Examiner Name	
Page 9 of 15		Attorney Case Number	58716US002

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		City, Code	Number-KindCode (if known)				
/MM/	B25	JP	2001294480 ✓	10/23/2001			X Machine
	B26	Hei	11-189926 ✓	07/13/1999			X Machine
	B27	Hei	4-119941 ✓	04/21/1992			X
	B28	S	63-156024 ✓	06/29/1988			X
	B29	S	63-303821	12/28/1988			X
	B30	WO	94/14722 ✓	07/07/1994			
	B31	WO	97/16385 ✓	05/09/1997			
	B32	WO	97/25284 ✓	07/19/1997			
	B33	WO	00/34201 ✓	06/15/2000			X
	B34	WO	01/16047 A2 ✓	03/08/2001			
	B35	WO	01/23321 A1 ✓	04/05/2001			
	B36	WO	01/23323 A1 ✓	04/05/2001			
	B37	WO	01/27046 A1 ✓	04/19/2001			
	B38	WO	01/56946 A ✓	08/09/2001			
	B39	WO	01/56947 A ✓	08/09/2001			
	B40	WO	01/56949 A ✓	08/09/2001			
	B41	WO	01/56950 A ✓	08/09/2001			
✓	B42	WO	02/08146 A ✓	01/31/2002			
/MM/	B43	SU	1455569 ✓	10/04/1996			X

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
/MM/	C1	Aguilar, E.A., "Processing and crystallization of rapidly solidified $Al_2O_3$ - $Y_2O_3$ fibres", British Ceramic Transactions, 2000, Vol. 99, No. 6, pp. 256-259.	
/MM/	C2	Brewer, Luke N. et al., "Interface modification for increased fracture toughness in reaction-formed yttrium aluminum garnet/alumina eutectic composites," 1999, Vol. 14, No. 10, pp. 3907-3912.	
/MM/	C3	Brockway et al. "Rapid Solidification of Ceramics a Technology Assessment", <u>Metals and Ceramics Information Center</u> , MCIC Report, January 1984 MCIC 84-49	

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<b>Substitute for form 1449A/PTO (modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 10 of 15	<b>Application Number</b>	10/740262
	<b>Filing Date</b>	December 18, 2003
	<b>First Named Inventor</b>	Rosenflanz, Anatoly Z.
	<b>Art Unit</b>	1755
	<b>Examiner Name</b>	
	<b>Attorney Case Number</b>	58716US002

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
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/MM/	C4	Chen, Zan-Hwey et al., "Microstructures of laser-treated $\text{Al}_2\text{O}_3\text{-ZrO}_2\text{-CeO}_2$ composites," <u>Materials Science &amp; Engineering A (Structural Materials: Properties, Microstructure and Processing)</u> , 1995, Vol. A196, No. 1-2, pp. 253-260.
	C5	"China: Oversupply Puts Rare Earths Projects On Hold", Industrial Minerals, August, 1997, 1 page.
	C6	"China's Rare Earth Export Quota Set at 45,000 Tons", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Asia Pulse, 1/9/01, 1 page.
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	C8	"China Rare Earth Information", China Rare Earth Information Center, Vol. 6, No. 4, August 2000, 3 pages.
	C9	Coutures et al., "PRODUCTION AND STUDIES OF ALUMINA BASED REFRACTORY GLASS," <u>Mat. Res. Bull.</u> , Vol. 10, No. 6, 1975, pp 539-546.
	C10	Dialog © file 319: Chem Bus NewsBase © 2001 Royal Soc Chemistry. Abstract for "China: Oversupply Puts Rare Earths Projects On Hold", Industrial Minerals n 359, p. 10.
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	C12	Figs. 311, 346, 350, 354-56, 373, and 716, <u>Phase Diagrams For Ceramists</u> , The American Ceramic Society, 1964, pp. 122, 136, 138, 140, 144, 248.
	C13	Figs. 2340-44, 2363, 2370, 2374-75, 2382-83, 2385, 2387, 2390, and 2392, <u>Phase Diagrams For Ceramists, 1969 Supplement</u> , The American Ceramic Society, 1969, pp. 95-6, 100, 102-03, 105-08.
	C14	Figs. 4366-71, 4377-78, 4404-05, 4417, 4426, 4430, 4433, 4437, 4440, 4444, 4457, 4572, and 4602, <u>Phase Diagrams For Ceramists, 1975 Supplement</u> , The American Ceramic Society, 1975, pp. 130-32, 135-36, 147, 152, 157, 159-60, 163-64, 166, 172-73, 238, 257.
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	C18	Harris et al., "DURABLE 3–5 $\mu\text{m}$ TRANSMITTING INFRARED WINDOW MATERIALS," <u>Infrared Physics &amp; Technology</u> 39, 1998, pp. 185-201
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	First Named Inventor	Rosenflanz, Anatoly Z.
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	Attorney Case Number	58716US002

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
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/MM/	C21	Hrovat et al., "Preliminary data on subsolidus phase equilibria in the $\text{La}_2\text{O}_3\text{-Al}_2\text{O}_3\text{-Mn}_2\text{O}_3$ and $\text{La}_2\text{O}_3\text{-Al}_2\text{O}_3\text{-Fe}_2\text{O}_3$ systems", <u>Journal of Materials Science Letters</u> , Vol. 14, 1995, pp. 265-267.
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	C23	"In Asia", Dow Jones Interactive Internet Printout on 6/20/01 for web address <a href="http://ptg.djnr.com/ccrotoasp/publib/story.asp">http://ptg.djnr.com/ccrotoasp/publib/story.asp</a> ; Engineering & Mining Journal, 2/28/00, 4 pages.
	C24	Isobe, T. et al., "Microstructure and Thermal Stability of $\text{Al}_2\text{O}_3\text{-Y}_2\text{Al}_2\text{O}_7$ (YAG) Eutectic Composite Prepared by an Arc Discharge Method", <u>J. Ceram. Soc. Jap.</u> , 109, [1], 2001, pp. 66-70, Abstract in English.
	C25	Kingery, W.D., INTRODUCTION TO CERAMICS, Second Edition, Chpt. III subchapter 8.8, <u>Glass-Ceramic Materials</u> , pp. 368-374, (1976).
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	C27	Kondrashov V I et al., "Opacified Glass "Decorit" Synthesis Directions", <u>Ssteklo I Keramika</u> 2001, No. 1, pages 8-11. Title translated by Keramika as "Aspects of Synthesis of Decorite Opacified Glass".
	C28	Krell, Andreas et al., "Advances in the Grinding Efficiency of Sintered Alumina Abrasives," <u>Journal of the American Ceramic Society</u> , 1996, Vol. 79, No. 3, pp. 763-769
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	C30	Lakiza et al., "The Liquidus Surface In The $\text{Al}_2\text{O}_3\text{-ZrO}_2\text{-Y}_2\text{O}_3$ Phase Diagram", <u>Powder Metallurgy and Metal Ceramics</u> , Vol. 33, No. 11-12, 1994, pp. 595-597.
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	<b>Examiner Name</b>	
	<b>Attorney Case Number</b>	58716US002

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam. Init.	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
/MM/	C38	"Phase Identification of $Al_2O_3/RE_3Al_5O_{12}$ and $Al_2O_3/REA10_3$ (RE = Sm-Lu, Y) Eutectics", J. Crystal Growth, 218, 2000, pp. 67-73.
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✓	C67	Yang and Zhu, "Thermo-Mechanical Stability Of Directionally Solidified $Al_2O_3$ - $ZrO_2$ ( $Y_2O_3$ ) Eutectic Fibers", <u>Scripta Materialia</u> , Vol. 36, No. 8, 1997, pp. 961-965.
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/MM/	C69	U.S. Patent Application entitled "Fused $Al_2O_3$ - $Y_2O_3$ - $ZrO_2$ Eutectic Abrasive Particles, Abrasive Articles, And Methods Of Making And Using The Same", filed July 19, 2000, Rosenflanz having U.S. Serial No. 09/618,876 (Attorney Docket No. 55763US002). ✓
	C70	U.S. Patent Application entitled, "Method of Making Ceramic Articles", filed August 2, 2002, Rosenflanz having U.S. Serial No. 10/211,481 (Attorney Docket No. 56938US004). ✓
	C71	U.S. Patent Application entitled "Methods of Making Ceramic Particles," filed February 5, 2003, Rosenflanz, having a U.S. Serial No. 10/358772 (Attorney Docket No. 58257US002) ✓
	C72	U.S. Patent Application entitled "Methods of Making Ceramics", filed February 5, 2003, Anderson et al., having a U.S. Serial No. 10/358765 (Attorney Docket No. 58258US002) ✓
	C73	U.S. Patent Application entitled "Ceramics and Methods of Making the Same", filed February 5, 2003, Celikkaya et al., having a U.S. Serial No. 10/358910 (Attorney Docket No. 58325US002) ✓
	C74	U.S. Patent Application entitled " $Al_2O_3$ - $La_2O_3$ - $Y_2O_3$ - $MgO$ Ceramics, and Methods of Making the Same", filed February 5, 2003, Celikkaya et al., having a U.S. Serial No. 10/358855 (Attorney Docket No. 58352US002) ✓
	C75	U.S. Application entitled "Use of Ceramics In Dental And Orthodontic Applications", filed February 5, 2003, having U.S. Serial No. 10/358,856 (Attorney Docket No. 58350US002) ✓
	C76	U.S. Patent Application entitled "Methods of Making $Al_2O_3$ - $SiO_2$ Ceramics", filed February 5, 2003, Celikkaya et al. having a U.S. Serial No. 10/358,708 (Attorney Docket No. 58353US002) ✓
	C77	U.S. Application entitled "Use of Glasses Containing Rare Earth Oxide, Alumina, and Zirconia And Dopant In Optical Waveguides", filed April 28, 2003, having U.S. Serial No. 10/425,039 (Attorney Docket No. 58435US002) ✓
	C78	U.S. Application entitled "Methods of Making Ceramic Particles", filed September 5, 2003, having U.S. Serial No. 10/655729 (Attorney Docket No. 58790US002) ✓
	C79	U.S. Application entitled "Methods of Making Ceramics Comprising $Al_2O_3$ , REO, $ZrO_2$ and/or $HfO_2$ and $Nb_2O_5$ and/or $Ta_2O_5$ ", filed September 18, 2003, having U.S. Serial No. 10/666615 (Attorney Docket No. 58354US002) ✓
	C80	U.S. Application entitled "Ceramics Comprising $Al_2O_3$ , REO, $ZrO_2$ and/or $HfO_2$ , and $Nb_2O_5$ and/or $Ta_2O_5$ , and Methods of Making The Same", filed September 18, 2003, having U.S. Serial No. 10/666212 (Attorney Docket No. 58807US002) ✓
	C81	U.S. Application entitled "Ceramics Comprising $Al_2O_3$ , $Y_2O_3$ , $ZrO_2$ and/or $HfO_2$ , and $Nb_2O_5$ and/or $Ta_2O_5$ , and Methods of Making The Same", filed September 18, 2003, having U.S. Serial No. 10/666,098 (Attorney Docket No. 58961US002) ✓
✓	C82	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/739420 (Attorney Docket No. 58794US002) ✓
/MM/	C83	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/739624 (Attorney Docket No. 58796US002) ✓

<b>*Examiner:</b> /Michael Marcheschi/ (04/25/2007)	<b>Date Considered:</b>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute for form 1449A/PTO (modified)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 15 of 15	<b>Application Number</b>	10/740262
	<b>Filing Date</b>	December 18, 2003
	<b>First Named Inventor</b>	Rosenflanz, Anatoly Z.
	<b>Art Unit</b>	1755
	<b>Examiner Name</b>	
	<b>Attorney Case Number</b>	58716US002

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
/MM/	C84	U.S. Application entitled "Transparent Fused Crystalline Ceramics, And Method of Making The Same", filed December 18, 2003, having U.S. Serial No. 10/739439 (Attorney Docket No. 58797US002) ✓
/MM/	C85	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/739440 (Attorney Docket No. 59437US002)
/MM/	C86	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/740096 (Attorney Docket No. 59438US002)
/MM/	C87	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/73944 (Attorney Docket No. 59439US002)
/MM/	C88	U.S. Application entitled "Powder Feeding Method and Apparatus", filed December 18, 2003, having U. S. Serial No. 10/739233 (Attorney Docket No. 59440US002)
/MM/	C89	U.S. Application entitled "Agglomerate Abrasive Grain and a Method of Making the Same", filed February 11, 2004, having U.S. Serial No. 10/776156 (Attorney Docket No. 55304US016)

<b>*Examiner:</b> /Michael Marcheschi/ (04/25/2007)	<b>Date Considered:</b>
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Page 1 of 2

Application Number	10740262
Filing Date	December 18, 2003
First Named Inventor	Anderson, Thomas J.
Art Unit	1755
Examiner Name	
Attorney Case Number	58716US002

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number		Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code If Known)				
/MM/	A1	US-	3,625,717	12/07/1971	Grubba et al.	
	A2	US-	4,316,964	02/23/1982	Lange	
	A3	US-	4,757,036	07/12/1988	Kaar et al.	
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	A5	US-	5,413,974 A	05/09/1995	Yokoyama et al.	
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/MM/	B1	DE	141 420	04/30/1980			X
	B2	EP	0 227 374	07/01/1987			
	B3	EP	0 236 507	09/16/1987			
	B4	EP	0 666 238 B1	08/09/1995			
	B5	EP	0 666 239 B1	08/09/1995			
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	B7	GB	793,503	04/16/1958			
	B8	GB	1,005,338	09/22/1965			
/MM/	B9	GB	2 116 992	10/05/1983			

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Page 2 of 2

Application Number	10/740262
Filing Date	December 18, 2003
First Named Inventor	Anderson, Thomas J.
Art Unit	1755
Examiner Name	
Attorney Case Number	58716US002

## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
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/MM/	B11	JP	61099665	05/17/1986			Abstract
/MM/	B12	JP	05-085821	04/06/1993			X
/MM/	B13	JP	06-171974	06/21/1994			X
/MM/	B14	JP	62-003041	01/09/1987			X
/MM/	B15	JP	2003-94414	04/03/2003			X

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	C2	Aguilar et al., "Melt Extraction Processing of Structural $Y_2O_3-Al_2O_3$ Fibers", J. Eur. Ceram. Soc. 20 1091-1098 (2000)	
	C3	Gandhi, A.S. and Jarayam, V., "Pressure Consolidation of Amorphous $ZrO_2-Al_2O_3$ by Plastic Deformation of Powder Particles", Acta Materialia, 50 (2002), 2137-2149	
	C4	Gonzalez, Eduardo J., et al., "High Pressure Compaction and Sintering of Nano-Size $\gamma-Al_2O_3$ Powder", Materials and Manufacturing Processes Vol. 11, No. 6, 951-967, 1996	
	C5	Jantzen, C.M., Krepski, R.P., & Herman, H., "Ultra-Rapid Quenching of Laser-Method Binary and Unary Oxides", Mat. Res. Bull. 15, 1313-1326 (1980)	
	C6	Khor K.A., "Novel $ZrO_2$ -Mullite Composites Produced By Plasma Spraying", Proceedings of the 15 <sup>th</sup> International Thermal Pray Conference, 25-29 May 1998, Nice, France	
	C7	Ray, C.S. and Day, D.E., "Determining the Nucleation Rate Curve for Lithium Disilicate Glass by Differential Thermal Analysis", J. Am. Ceram. Soc. 73(2) 439-442 (1990)	
	C8	Schmucker, M, et al., "Constitution of Mullite Glasses Produced by Ultra-Rapid Quenching of Plasma-Sprayed Melts", Journal of the European Ceramic Society 15 (1995) 1201-1205	
	C9	Sarjeant, P.T. & Roy, R., In Reactivity of Solids (ed. J. W. Mitchell, R.C., DeVries, R.W., Roberts and P. Cannon) 725-33 (John Wiley & Sons, Inc., New York 1969)	
	C10	Takamori, T., & Roy, R., "Rapid Crystallization of $SiO_2-Al_2O_3$ Glasses", Journal of American Society, Vol. 56, No. 12, December 1973.	
✓	C11	Weber et al., "Synthesis and Optical Properties of Rare-Earth-Aluminum Oxide Glasses", J. Am. Ceram. Soc. 85(5) 1309-1311 (2002)	
/MM/	C12	Wilding, M.C., McMillan, P.F., "Polymorphic Transitions in Yttria-Alumina Liquids", J. Non-Cryst. Solids. 293-295, 357-365 (2001)	

\*Examiner: /Michael Marcheschi/ (04/25/2007)

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STATEMENT BY APPLICANT**

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Page 1 of 1

<b>Application Number</b>	10/740262
<b>Filing Date</b>	December 18, 2003
<b>First Named Inventor</b>	Anderson, Thomas J.
<b>Art Unit</b>	1755
<b>Examiner Name</b>	
<b>Attorney Case Number</b>	58716US002

**U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number		Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)				
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	A6	US-				
	A7	US-				
	A8	US-				

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		Ctry. Code	Number-Kind Code (if known)				
/MM/	B1	JP	60221338	11/06/1985			Abstract
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	B3						

**OTHER DOCUMENTS**

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		

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Application Number 004 NO. 7631 P. 4/42  
10740262

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STATEMENT BY APPLICANT**

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Page 1 of 1

<b>Filing Date</b>	<b>December 18, 2003</b>
<b>First Named Inventor</b>	<b>Anderson, Thomas J.</b>
<b>Art Unit</b>	<b>1755</b>
<b>Examiner Name</b>	
<b>Attorney Case Number</b>	<b>58716US002</b>

U.S. Patent Documents						
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		Doc. Number-(Ind Code if Known)				
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	A3	US-	3,926,603	12/16/1975	Plesslinger et al.	
	A4	US-	4,218,253	08/19/1980	Dworak et al.	
	A5	US-	4,467,767	08/28/1984	Kampichler et al.	
	A6	US-	4,829,031	05/09/1989	Roy et al.	
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	A10	US-	5,484,752	01/16/1998	Waku et al.	
✓	A11	US-	5,569,547	10/29/1998	Waku et al.	
	A12	US-	5,682,082	10/28/1997	Wei et al.	
/MM/	A13	US-	6,447,937	09/10/2002	Murakawa et al.	

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/MM/	B1	JP	50025608	03/18/1975		X
/MM/	B2	FR	2538370	06/26/1984		X

OTHER DOCUMENTS					
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			Translation (Check if yes)
	C1				

<b>*Examiner:</b> /Michael Marcheschi/ (04/25/2007)	<b>Date Considered:</b>
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PAGE 442\* RCVD AT 12/7/2004 5:06:46 PM [Eastern Standard Time] \* SVR:USPTO-EFAXF-1/1 \* DNIS:8729306 \* CSD:612 736 7586 \* DURATION (mm:ss):09:58 sent

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 1 of 1

Application Number	10740262
Filing Date	September 18, 2003
First Named Inventor	Anderson, Thomas J.
Art Unit	1755
Examiner Name	
Attorney Case Number	58716US002

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FEB 21 2005**U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number		Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number (Kind Code if Known)				
/MM/	A1	US- 4,182,437		01/08/1980	Roberts et al.	
/MM/	A2	US- 4,662,199		11/12/1985	Onoyama et al.	
/MM/	A3	US- 4,706,666		11/10/1987	Onoyama et al.	
/MM/	A4	US- 5,215,563		08/01/1993	LaCourse et al.	
	A5	US-				
	A6	US-				
	A7	US-				
	A8	US-				

**Foreign Patent Documents**

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	B1						
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**OTHER DOCUMENTS**

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/MM/	C1	Standard: "Standard Specification for Wire Cloth and Sieves for Testing Purposes", ASTM International, Designation: E 11-01, (date unknown but prior to filing date of instant application), pp. 1-5.	
/MM/	C2	Standard: "Nominal Dimensions, Permissible Variations for Wire Cloth of Standard test Sieves (U.S.A.) Standard Series," ASTM International, Designation: E-11, (Date unknown but prior to filing date of instant application), pp. 3-6.	
/MM/	C3	Standard: "Standard Specification for Industrial Woven Wire Cloth", ASTM International Designation: E 2018-99, (date unknown but prior to filing date of instant application), pp. 1-30	

\*Examiner: /Michael Marcheschi/ (04/25/2007)

Date Considered:

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Page 1 of 1

Application Number	10740262
Filing Date	September 18, 2003
First Named Inventor	Anderson, Thomas J.
Art Unit	1755
Examiner Name	
Attorney Case Number	58718US002

**U.S. Patent Documents**

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		Doc. Number-Kind Code if Known	MM-DD-YYYY		
/MM/	A1	US- 5,534,843	07/09/1996	Tsunoda et al.	
/MM/	A2	US- 5,976,274	11/02/1999	Inoue et al.	
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	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			

**Foreign Patent Documents**

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		Ctry. Code	Number-Kind Code if known				
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	C2		
	C3		

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Substitute for form 1449A/PTO (modified)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 1 of 1

Application Number	10/740262
Filing Date	December 18, 2003
First Named Inventor	Anderson, Thomas J.
Art Unit	1755
Examiner Name	Unknown
Attorney Case Number	58718US002

U.S. Patent Documents						
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		Doc. Number (Kind Code if known)				
/MM	A1	US- 3,637,361		01-25-1972	Kita et al.	
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Foreign Patent Documents						
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		Ctry. Code	Number-Kind/Code (if known)			
	B1					
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PAGE 4/4 \* RCVD AT 7/6/2005 9:33:15 AM [Eastern Daylight Time] \* SVR:USPTO-EFAXF-1/2 \* DNS:8729308 \* CSID:651 736 6133 \* DURATION (mm:ss):01:26 (mm:ss)

Substitute for form 1449A/PTO (modified)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 1 of 1	Application Number	10/740262
	Filing Date	December 18, 2003
	First Named Inventor	Anderson, Thomas J.
	Art Unit	1765
	Examiner Name	Michael A. Marcheschi
	Attorney Case Number	58716US002

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		Doc. Number-(Kind Code if Known)				
/MM	A1	US-	2,805,166	09-03-1957	Loffler	
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	A3	US-	4,530,909	07-23-1985	Makishima et al.	
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	B1						
	B2						
	B3						
	B4						

OTHER DOCUMENTS					
Exam. Inlt.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			Translation (Check if yes)
	C1				
	C2				
	C3				

\*Examiner: /Michael Marcheschi/ (04/25/2007) Date Considered:

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